Servlet to REST API Migration Guide

October 2019

CyberSource®

the power of payment

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Recent Revisions to This Document

Release	Changes
October 2019	Added examples to "Servlet and REST Request Examples," page 9.
July 2019	Added link to authentication sample code in "Getting Started with REST," page 7.
May 2019	Added Getting Started section.
April 2019	This release only contains editorial changes.
March 2019	Initial release of document.

About This Guide

This guide is for merchants or partners who used the programmatic download (servlet) to download reports and files, search for transactions, and retrieve user details, and are transitioning to the use of REST APIs for these functions.

If you access the legacy reports programmatically, you can continue to use the servlets until July 31, 2019. After July 31, 2019, the old servlets will be retired. After this date, you will no longer be able to access old reports via servlets.

REST APIs are available in our Developer Center.

Conventions

Note Statements

Note

A *Note* contains helpful suggestions or references to material not contained in the document.

Text and Command Conventions

Convention	Usage
Bold	■ Field and service names in text; for example: Include the **ics_applications** field. ■ Items that you are instructed to act upon; for example: Click **Save**.
`Screen text`	■ XML elements. ■ Code examples and samples. ■ Text that you enter in an API environment; for example: Set the **davService_run** field to `true`.

Related Documents

- *Reporting REST API Developer Guide*
- *Reporting User Guide*
- *New Business Center User Guide*

Refer to the Support Center for complete CyberSource technical documentation:

http://www.cybersource.com/support_center/support_documentation

Customer Support

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Transitioning from Servlet to REST

In the classic Business Center, users could download reports and files, search for transactions, and retrieve user details via programmatic access, which we refer to as servlets. The servlets were:

- Download servlet
- Acquiring servlet
- Query servlet

Reports and other data that were accessed via servlets are now be available using REST APIs. The new REST APIs include:

- Reporting API
- Transaction Detail API
- Transaction Search API
- User Management API
- Transaction Batch Service API

For detailed information about the servlets, see the *Legacy Business Center Reporting Developer Guide*.

Getting Started with REST

Table 1

Step	Task	Notes/Resources
1	Figure out which REST APIs to use.	If you accessed reports and other data (like the Single Transaction Query) in the old platform, you will need to switch to our REST APIs. See "All Reports and What will Happen to Them," page 22 to look up your report and determine which REST API you need to use to programmatically download that report.

Table 1   (Continued)

Step	Task	Notes/Resources
2	Learn about the REST APIs in the Developer Center.	Review API Specifications and API Developer Guides for the REST APIs that you will use. You can also try out the API using the live console.
3	Create an API Key.	Use the Key Management module in the Business Center to create and API key. See the Getting Started guide on the Developer Center for more information and instructions. **Note** You can use sample code from our Github repository to create an authentication signature.
4	Build your client application.	When you are ready to build your client application, you can use the sample code shown in the live console, or access our SDKs.

The table below lists the functions of the old servlets and the REST APIs that will replace them.

Servlet Name	Function	REST API
Download Servlet	Downloads report or other files.	Reporting API or Secure File Share API
Acquiring Servlet	Downloads reports.	Reporting API
Query Servlet	Retrieve Transaction/Payment Status.	Transaction Detail API
Query Servlet	Retrieve a single transaction (search by request ID).	Transaction Detail API
Query Servlet	Search for transactions by merchant reference number.	Transaction Search API
Query Servlet	Notification of Change (on demand).	Reporting API
Query Servlet	Conversion Detail Report (on demand).	Reporting API
Query Servlet	Order Detail Report (on demand)	Reporting API
Query Servlet	User Listing Servlet	User Management API
Query Servlet	Response File Write (Batch Upload status)	Batch Status API

!
Important

For a mapping of legacy reports to new reports, see Appendix A, "Reports Reference," on page 22.

These are the new REST APIs:

API Name	Purpose
Transaction Detail API	Retrieves a single transaction based on Request ID.
Search API	Retrieves a set of transactions based on several available query parameters.
Reporting API	Downloads and manages downloadable detail reports.
Secure File Share API	Downloads third party files, reports from the old Business Center, Batch Upload Reply, and Account Updater Reply files.
User Management API	Retrieves a list of users.
Batch Status API	Retrieves the status of a batch upload.

For information on using REST APIs, see *CyberSource REST API Getting Started Guide*. For full documentation on the REST APIs, see our Developer Center.

Servlet and REST Request Examples

The Download Servlet sends a GET request using the following URL format:

```
https://<server_name>/reports/servlet/DownloadReport/YYYY/MM/
DD/<merchant_ID>/<report_name>.<report_format>
```

The Query Servlet sends a POST request with search parameters:

```
https://<server_name>/ebc/Query
```

The search parameters required for each request are dependent on the servlet function.

REST requests vary by function. For detailed information, see the Reporting REST API, Transaction Detail REST API, and Transaction Search REST API in our Developer Center.

 The examples below show the differences between servlet and REST requests for different functions.

Table 2   Servlet vs REST Request Examples

Function: Report Download [Download]

Servlet Request: `https://<server_name>/reports/servlet/`
`DownloadReport/YYYY/MM/DD/<merchant_ID>/<report_name>.<report_`
`format>`

REST Request: `https://api.cybersource.com/reporting/v3/report-`
`downloads`

```
{

    "organizationID": "myorg",

    "reportDate": "2018-05-23",

    "reportName": "MyReport"

}
```

Function: Single Transaction Query (Transaction Detail in New Business Center)

Servlet Request: `https://<server_name>/ebc/`
`Query?merchantID=merchant1&requestID=5187901209120179112634&typ`
`e=transaction&subtype=transactionDetail&versionNumber=1.7`

REST Request: `https://api.cybersource.com/tss/v2/transactions/{id}`

Function: Transaction Search by Merchant Reference Number

Servlet Request: `https://<server_name>/ebc/`
`Query?merchantID=merchant1&merchantReferenceNumber=1234&targetD`
`ate=20180523&type=transaction&subtype=transactionDetail&version`
`Number=1.7`

REST Request: `https://api.cybersource.com/tss/v2/searches`
```
{

    "save": "false",

    "name": "Search By Code",

    "timezone": "America/Chicago",

    "query": "clientReferenceInformation.code:123456",

    "offset": 0,

    "limit": 100,

    "sort": "id:asc, submitTimeUtc:asc"

}
```

Table 2   Servlet vs REST Request Examples (Continued)

Function: Order Detail Report (Transaction Request Report in New Business Center)

Servlet Request: `https://<server_name>/ebc/`
`Query?merchantID=merchant1&requestID=518790120912017911263&typ`
`e=orderPaymentData`

REST Request: `https://api.cybersource.com/reporting/v3/report-`
`downloads`

```
{

    "organizationID": "myorg",

    "reportDate": "2018-05-23",

    "reportName": "TransactionRequestReport"

}
```

Function: Notification of Change

Servlet Request: `https://<server_name>/ebc/Query?merchantID=pa_`
`rbsworldpay&startDate=2018-02-15&endDate=2018-02-`
`16&type=NOC&exportType=xml`

REST Request: `https://api.cybersource.com/reporting/v3/`
`notification-of-changes`

```
{

    "startTime": "yyyy-MM-dd'T'HH:mm:ssXXX",

    "endTime": "yyyy-MM-dd'T'HH:mm:ssXXX"

}
```

Function: Batch Submission Detail Report

Servlet Request: `https://<server_name>/ebc/batchupload/`
`ResponseFileWrite.do?merchantID=merchant1&batchID=12345&format=`
`csv&password=password&username=username`

REST Request: `https://api.cybersource.com/pts/v1/transaction-`
`batches`

```
{

    "startTime": "yyyy-MM-dd'T'HH:mm:ssXXX",

    "endTime": "yyyy-MM-dd'T'HH:mm:ssXXX"

}
```

Table 2   Servlet vs REST Request Examples (Continued)

Function: Conversion Detail Report

Servlet Request: `https://<server_name>/ebc/`
`ConversionDetailReportRequest.do?merchantID=testmerchant&startD`
`ate=2018-03-23&startTime=00:00:00&endDate=2018-03-`
`23&endTime=23:59:59&username=username&password=password`

REST Request: `https://api.cybersource.com/reporting/v3/conversion-`
`details`

```
{

    "startTime": "yyyy-MM-dd'T'HH:mm:ssXXX",

    "endTime": "yyyy-MM-dd'T'HH:mm:ssXXX"

    "organizationId": "organizationID"

}
```

Function: Purchase and Refund Details (Acquiring)

Servlet Request: `https://<server_name>/ebc/`
`DownloadAcquiringReports?hierarchyId=1234&organizationId=orgID&`
`reportId=75&startDay=01&startMonth=12&startYear=2017&endDay=31&`
`endMonth=12&endYear=2017&format=xml`

REST Request: `https://api.cybersource.com/reporting/v3/purchase-`
`refund-details`

```
{

    "startTime": "yyyy-MM-dd'T'HH:mm:ssXXX",

    "endTime": "yyyy-MM-dd'T'HH:mm:ssXXX"

    "organizationId": "organizationID"

    "paymentSubtype": "ALL"

    "viewBy": "requestDate"

    "groupName": "group1"

    "offset": "5"

    "limit": "2000"

}
```

Function: Check the Payment Status (for merchants using certain processors)

Servlet Request: `https://<server_name>/ebc/`
`Query?merchantID=testmerchant&requestID=1234&type=transaction&s`
`ubtype=transactionStatus&transRefNo=56789&requestToken=abcd`

REST Request: `https://api.cybersource.com/tss/v2/transactions/{id}`

Function: Get a List of Users in an Organization

Servlet Request: `https://<server_name>/ebc/`
`UserListing?merchantID=qaebc2&format=xml`

REST Request: `https://api.cybersource.com/ums/v1/`
`users?organizationId=mymerchant`

REST FAQs

What is an API?

API stands for Application Programming Interface. It's a way for computer programs to talk to each other. The program using the API is known as the client. The client is usually written in a language such as Java or JavaScript.

The conversation between the programs follows the pattern of request and response.

The request:

- What do you want to do?
  - Get information.
  - Perform some task.

The response:
- The status of your request - did it fail or succeed?
- Other information you might have asked for.
- Often this is called the payload.

What is an API specification?

The conversation between programs happens in a structured way. The way to talk to an API is known as the "interface", which is specific structure or specification standard.

What are the components of a REST API?

The components of a REST API are:

- Resource—A resource is the fundamental component of an API. It is considered an object (noun) and can have attributes like a name or a date. A resource can also be a collection of other resources.

- Verb—A verb is the action you want to perform with the API, such as the following:

  - GET - Used to read a resource.
  - PUT - Use to update a resource.
  - POST - Used to make a new resource.
  - PATCH - Similar to put.
  - DELETE - Delete a resource.

■   Parameters—Parameters are extra information that tell the application how to handle your request. With the Reporting API, you can:

- Get a recurring or a one-time report.
- Create and update report subscriptions.
- Delete subscriptions.
- Get a list of all subscriptions.
- Get the status of a report.

For example:

```
GET <url_prefix>/v2/
reports?orgID=BerniesNeatMerchnt&download=true&reportName=BerniesNeatRepo
rt&reportDate=20161215
```

In the example above, "`GET`" is the verb; "`reports`" is the resource; and the parameters are:

■   `orgId`

■   `download`

■   `reportName`

■   `reportDate`

Field Mapping

Field Names in JSON Response

The Transaction Search and Transaction Detail REST APIs return JSON responses. The table below shows the new REST field names and the old servlet field names.

Table 3   Servlet to REST Field Mapping

Servlet Field Name	REST Field Name
ApplicationReplies.ApplicationReply.Name	applicationInformation.applications[].name
ApplicationReplies.ApplicationReply.Rcode	applicationInformation.applications[].rCode
ApplicationReplies.ApplicationReply.Rflag	applicationInformation.applications[].rFlag
ApplicationReplies.ApplicationReply.RMsg	HTTP 201: errorInformation.message HTTP 400/502: message
Applications.application	applicationInformation.applications[].name
Applications.reasonCode	applicationInformation.applications[].reasonCode
Applications.status	applicationInformation.applications[].status
BillTo.Address1	orderInformation.billTo.address1
BillTo.Address2	orderInformation.billTo.address2
BillTo.City	orderInformation.billTo.locality
BillTo.CompanyName	orderInformation.billTo.company
BillTo.Country	orderInformation.billTo.country
BillTo.CustomerID	buyerInformation.merchantCustomerId
BillTo.Email	orderInformation.billTo.email
BillTo.FirstName	orderInformation.billTo.firstName
BillTo.Hostname	deviceInformation.hostName
BillTo.IPAddress	deviceInformation.ipAddress
BillTo.LastName	orderInformation.billTo.lastName
BillTo.MiddleName	orderInformation.billTo.middleName
BillTo.NameSuffix	orderInformation.billTo.suffix
BillTo.Phone	orderInformation.billTo.phoneNumber
BillTo.State	orderInformation.billTo.administrativeArea

Table 3   Servlet to REST Field Mapping

Servlet Field Name	REST Field Name
BillTo.Title	orderInformtion.billTo.title
BillTo.UserName	buyerInformation.merchantCustomerId
BillTo.Zip	orderInformtion.billTo.postalCode
Comments	clientReferenceInformation.applicationUser
LineItems.lineItem.FulfillmentType	orderInformation.lineItems[].fulfillmentType
LineItems.lineItem.MerchantProductSKU	orderInformation.lineItems[].productSku
LineItems.lineItem.Number	Not required to return as API response but it should be used to reconstruct the line item array.
LineItems.lineItem.ProductCode	orderInformation.lineItems[].productCode
LineItems.lineItem.ProductName	orderInformation.lineItems[].productName
LineItems.lineItem.Quantity	orderInformation.lineItems[].quantity
LineItems.lineItem.TaxAmount	orderInformation.lineItems[].taxAmount
LineItems.lineItem.UnitPrice	orderInformation.lineItems[].unitPrice
MerchantDefinedData.field1	merchantDefinedInformation[].key = "field1" merchantDefinedInformation[].value
MerchantDefinedData.field2	merchantDefinedInformation[].key = "field2" merchantDefinedInformation[].value
MerchantDefinedData.field3	merchantDefinedInformation[].key = "field3" merchantDefinedInformation[].value
MerchantDefinedData.field4	merchantDefinedInformation[].key = "field4" merchantDefinedInformation[].value
MerchantDefinedData.field5	merchantDefinedInformation[].key = "field5" merchantDefinedInformation[].value
MerchantDefinedData.field6	merchantDefinedInformation[].key = "field6" merchantDefinedInformation[].value
MerchantDefinedData.field7	merchantDefinedInformation[].key = "field7" merchantDefinedInformation[].value
MerchantDefinedData.field8	merchantDefinedInformation[].key = "field8" merchantDefinedInformation[].value
MerchantDefinedData.field9	merchantDefinedInformation[].key = "field9" merchantDefinedInformation[].value
MerchantDefinedData.field10	merchantDefinedInformation[].key = "field10" merchantDefinedInformation[].value
MerchantDefinedData.field11	merchantDefinedInformation[].key = "field11" merchantDefinedInformation[].value
MerchantDefinedData.field12	merchantDefinedInformation[].key = "field12" merchantDefinedInformation[].value
MerchantDefinedData.field13	merchantDefinedInformation[].key = "field13" merchantDefinedInformation[].value

Table 3   Servlet to REST Field Mapping

Servlet Field Name	REST Field Name
MerchantDefinedData.field14	merchantDefinedInformation[].key = "field14" merchantDefinedInformation[].value
MerchantDefinedData.field15	merchantDefinedInformation[].key = "field15" merchantDefinedInformation[].value
MerchantDefinedData.field16	merchantDefinedInformation[].key = "field16" merchantDefinedInformation[].value
MerchantDefinedData.field17	merchantDefinedInformation[].key = "field17" merchantDefinedInformation[].value
MerchantDefinedData.field18	merchantDefinedInformation[].key = "field18" merchantDefinedInformation[].value
MerchantDefinedData.field19	merchantDefinedInformation[].key = "field19" merchantDefinedInformation[].value
MerchantDefinedData.field20	merchantDefinedInformation[].key = "field20" merchantDefinedInformation[].value
MerchantReferenceNumber	clientReferenceInformation.code
PaymentData.ACHVerificationResult	processorInformation.achVerification.resultCodeRaw
PaymentData.ACHVerificationResultMapped	processorInformation.achVerification.resultCode
PaymentData.Amount	orderInformation.amountDetails.totalAmount
PaymentData.AuthorizationCode	processorInformation.approvalCode
PaymentData.AVSResult	processorInformation.avs.codeRaw
PaymentData.AVSResultMapped	processorInformation.avs.code
PaymentData.BalanceAmount	paymentInformation.accountFeatures.balanceAmount
PaymentData.BalanceCurrencyCode	paymentInformation.accountFeatures.currency
PaymentData.CurrencyCode	orderInformation.amountDetails.currency
PaymentData.CVResult	processorInformation.cardVerification.resultCode
PaymentData.EVEmail	processorInformation.electronicVerificationResults.email
PaymentData.EVEmailRaw	processorInformation.electronicVerificationResults.emailRaw
PaymentData.EventType	NA
PaymentData.EVName	processorInformation.electronicVerificationResults.name
PaymentData.EVNameRaw	processorInformation.electronicVerificationResults.nameRaw
PaymentData.EVPhoneNumber	processorInformation.electronicVerificationResults.phoneNumber

Table 3   Servlet to REST Field Mapping

Servlet Field Name	REST Field Name
PaymentData.EVPhoneNumberRaw	processorInformation.electronicVerification Results.phoneNumberRaw
PaymentData.EVPostalCode	processorInformation.electronicVerification Results.postalCode
PaymentData.EVPostalCodeRaw	processorInformation.electronicVerification Results.postalCodeRaw
PaymentData.EVStreet	processorInformation.electronicVerification Results.street
PaymentData.EVStreetRaw	processorInformation.electronicVerification Results.streetRaw
PaymentData.NumberOfInstallments	installmentInformation.numberOfInstallments
PaymentData.payerAuthenticationInfo.AAV _CAVV	consumerAuthenticationInformation.cavv
PaymentData.payerAuthenticationInfo.ECI	consumerAuthenticationInformation.eciRaw
PaymentData.payerAuthenticationInfo.XID	consumerAuthenticationInformation.xid
PaymentData.PaymentProcessor	processorInformation.processor.name
PaymentData.PaymentRequestID	Not supported
PaymentData.ProcessorResponseCode	processorInformation.responseCode
PaymentData.RequestedAmount	orderInformation.amountDetails.totalAmount
PaymentData.RequestedAmountCurrency Code	orderInformation.amountDetails.currency
PaymentData.TotalTaxAmount	orderInformation.amountDetails.taxAmount
PaymentMethod.Card.AccountSuffix	paymentInformation.card.suffix
PaymentMethod.Card.BoletoNumber	paymentInformation.invoice.number
PaymentMethod.Card.CardType	paymentInformation.card.type
PaymentMethod.Card.ExpirationMonth	paymentInformation.card.expirationMonth
PaymentMethod.Card.ExpirationYear	paymentInformation.card.expirationYear
PaymentMethod.Card.IssueNumber	paymentInformation.card.issueNumber
PaymentMethod.Card.StartMonth	paymentInformation.card.startMonth
PaymentMethod.Card.StartYear	paymentInformation.card.startYear
PaymentMethod.Check.AccountSuffix	paymentInformation.bank.account.suffix
PaymentMethod.Check.CheckNumber	paymentInformation.bank.account.checkNumber
PaymentMethod.WalletType	processingInformation.paymentSolution
PredecessorRequestID	rootId
Profilelist.Profile.Name	riskInformation.profile.name
Profilelist.Profile.Name	riskInformation.passiveProfile.name
Profilelist.Profile.ProfileDecision	riskInformation.profile.decision

Table 3   Servlet to REST Field Mapping

Servlet Field Name	REST Field Name
Profilelist.Profile.ProfileDecision	riskInformation.passiveProfile.decision
Profilelist.Profile.ProfileMode	riskInformation.profiles.mode
Profilelist.Profile.RuleList.Rule.ruleDecision	riskInformation.rules[].decision
Profilelist.Profile.RuleList.Rule.ruleDecision	riskInformation.passiveRules[].decision
Profilelist.Profile.RuleList.Rule.ruleName	riskInformation.rules[].name
Profilelist.Profile.RuleList.Rule.ruleName	riskInformation.passiveRules[].name
reasonCode	applicationInformation.reasonCode
RequestDate	submitTimeUTC
RequestID	id
RiskData.AppliedAVS	processorInformation.avs.code
RiskData.AppliedCategoryGift	Not supported
RiskData.AppliedCategoryTime	Not supported
RiskData.AppliedCV	processorInformation.cardVerification.resultCode
RiskData.AppliedHostHedge	Not supported
RiskData.AppliedThreshold	Not supported
RiskData.AppliedTimeHedge	Not supported
RiskData.AppliedVelocityHedge	Not supported
RiskData.ConsumerLoyalty	Not supported
RiskData.ConsumerPasswordProvided	buyerInformation.hashedPassword
RiskData.ConsumerPromotions	Not supported
RiskData.CookiesAccepted	deviceInformation.cookiesAccepted
RiskData.Factors	riskInformation.score.factorCodes[]
RiskData.GiftWrap	orderInformation.shippingDetails.giftWrap
RiskData.HostSeverity	Not supported
RiskData.LostPassword	Not supported
RiskData.ProductRisk	Not supported
RiskData.RepeatCustomer	Not supported
RiskData.ReturnsAccepted	Not supported
RiskData.Score	riskInformation.score.result
RiskData.TimeLocal	riskInformation.localTime
shipping.Carrier	Not supported
shipping.Method	orderInformation.shippingDetails.shippingMethod
ShipTo.Address1	orderInformation.shipTo.address1
ShipTo.Address2	orderInformation.shipTo.address2
ShipTo.City	orderInformation.shipTo.locality

Table 3   Servlet to REST Field Mapping

Servlet Field Name	REST Field Name
ShipTo.CompanyName	orderInformation.shipTo.company
ShipTo.Country	orderInformation.shipTo.country
ShipTo.FirstName	orderInformation.shipTo.firstName
ShipTo.LastName	orderInformation.shipTo.lastName
ShipTo.Phone	orderInformation.shipTo.phoneNumber
ShipTo.State	orderInformation.shipTo.administrativeArea
ShipTo.ZipShipTo	orderInformation.shipTo.postalCode
Source	clientReferenceInformation.applicationName
status	applicationInformation.status
SubscriptionID	paymentInformation.customer.customerId
TransactionReferenceNumber	reconciliationID
User	clientReferenceInformation.applicationUser
NA	paymentInformation.card.prefix
NA	paymentInformation.invoice.barcodeNumber
NA	paymentInformation.invoice.expirationDate
NA	paymentInformation.accountFeatures.previousBalanceAmount
NA	consumerAuthenticationInformation.transactionId
pay_req_id	Not supported
order_number	Not supported
request_key	Not supported
auth_type	processingInformation.authorizationOptions.authType
auth_amount	OrderInformation.amountDetails.authorizedAmount
payment_service_data	Not supported
payment_service_data_2	Not supported
response_code	processorInformation.responseCode
type_code	Not supported
acct_enc	Not supported
acct_key	Not supported
NA	paymentInformation.paymentType.name
type	paymentInformation.paymentType.type
subType	paymentInformation.paymentType.method
NA	paymentInformation.paymentType.fundingSource

Table 3   Servlet to REST Field Mapping

Servlet Field Name	REST Field Name
NA	paymentInformation.paymentType.funding SourceAffiliation
NA	paymentInformation.paymentType.credential
merchant_name	merchantId
order_total_amount	orderInformation.amountDetails.totalAmount
eci	processingInformation.commerceIndicator
objFxQuoteId	Not supported
accountEncoderID	paymentInformation.card.accountEncoderId paymentInformation.bank.account.encoderId
posEntryMode	pointOfSaleInformation.entryMode
terminalCapability	pointOfSaleInformation.terminalCapability
processor_trans_id	processorInformation.transactionId
override_payment_method	paymentInformation.card.useAs
payment_network_transaction_id	processorInformation.networkTransactionId
sender_reference_number	senderInformation.referenceNumber
aft_indicator	Not supported
processor_response_id	processorInformation.responseId
provider_transaction_id	processorInformation.providerTransactionId
NA	fraudMarkingInformation.reason

Reports Reference

All Reports and What will Happen to Them

The tables in this section map each of the legacy reports or servlets to a REST API. .[

Table 4   Legacy Downloadable Reports

Legacy Report Name	Legacy Servlet	New Report Name	REST API	Will the new report (or payload) be different?	What types of users can use?
Payment Batch Detail Report	Download Servlet	Payment Batch Detail Report	Reporting API	Slightly different	Merchants, account level users, and Partners
Transaction Detail Report	Download Servlet	Transaction Request Report	Reporting API	Slightly different	Merchants, account level users, and Partners
Payment Transaction Event Report	Download Servlet	Processor Event Report	Reporting API	Slightly different	Merchants, account level users, and Partners
Transaction Exception Detail Report	Download Servlet	Transaction Exception Detail Report	Reporting API	Slightly different	Merchants, account level users, and Partners
Payer Authentication Detail Report	Download Servlet	Payer Authentication Detail Report	Reporting API	Slightly different	Merchant only.
Subscription Detail Report	Download Servlet	Subscription Detail Report	Reporting API	Slightly different	Merchant only.
Batch Files Detail Report	Download Servlet	Batch Files Detail Report	Reporting API	Slightly diffferent	Merchants, account level users, and Partners

Table 4   Legacy Downloadable Reports (Continued)

Legacy Report Name	Legacy Servlet	New Report Name	REST API	Will the new report (or payload) be different?	What types of users can use?
Decision Manager Detail Report	Download Servlet	Decision Manager Detail Report	Reporting API	Slightly different	Merchants only.
Conversion Detail Report	Download Servlet	Conversion Detail Report	Reporting API	Slightly different	Merchants only.
JP Reports - Report 96	Download Servlet	JP Transaction Report	Reporting API	Slightly different	NA
Batch Upload Reply Files	Download Servlet	Same name as in the old Business Center	Secure File Share API	No	Merchants only.
Account Updater Reply File	Download Servlet	Same name as in the old Business Center	Secure File Share API	No	Merchants only.
Third Party Report	Download Servlet	Same name as in the old Business Center	Secure File Share API	No	Merchants only.

Table 5   Legacy On-Demand Reports

Legacy Report Name	Legacy Servlet	New Report Name	REST API	Will the new report (or payload) be different?	What types of users can use?
Payment Batch Summary Report	Acquiring Servlet	Payment Batch Summary Report	Reporting API	No	Merchants, account level users. Partners can view data MID-by-MID.
Payer Authorization Summary	NA	Payer Authorization Summary	NA	No	Merchants and account level users.
Purchase and Refund Detail Report	Acquiring Servlet	Purchase and Refund Details	Reporting API	No	Merchants and account level users.
Notification of Change	NA	Notification of Change	Reporting API	No	Merchants

⚠️ **Important**	The reports in Table 6 are not available using the Business Center but can be downloaded using servlets. For a mapping of XML field names to JSON field names, see "Field Names in JSON Response," page 15. For details on the new JSON payloads, see the API Reference Guides in our Developer Center.

Table 6   Servlet Only Reports

Legacy function	Legacy servlet	Replacement API	Will the new payload be different?
Single Transaction Query (search by Request ID)	Query Servlet	Transaction Detail API	Yes **Important** The old payload was XML. The new payload is JSON with new field names.
Search for Transactions by Merchant Reference number	Query Servlet	Transaction Search API	Yes **Important** The old payload was XML. The new payload is JSON with new field names.
Notification of Change (on-demand)	n/a	Reporting API	No
Conversion Detail Report (on-demand)	Query Servlet	Reporting API	No
User Listing Servlet	Query Servlet	User Management API	Yes **Important** The old payload was XML. The new payload is JSON with new field names.
Response File Write (Batch Upload status)	Query Servlet	Batch Status API	Yes **Important** The old payload was XML. The new payload is JSON with new field names.
On-Demand Order Detail Report	Query Servlet	Retired	Retired
Transaction Exception Detail Report Request	Query Servlet	Retired	Retired

Table 7   Retired Reports

Legacy Report Name	Legacy Servlet	How to approximate this report in the new Business Center	Will the existing subscriptions be recreated?
Payment Submission Detail Report	Download Servlet	Use Payment Batch Detail with field Processor ID	Yes
Order Detail Report	Download Servlet	Use the Transaction Detail Report with filters for credit cards, sales, and refunds.	Yes
New Authorization Detail Report	Download Servlet	Transaction Detail Report with filter for credit card authorizations.	Yes
New Sales Detail Report	Download Servlet	Transaction Detail Report with filter for credit card sales and refunds.	Yes
Payment Activity Summary (Legacy Merchant Account Reports)	Old Acquiring Servlet only	Net Funding screen	NA
Chargeback and Representment Detail Report (Legacy Merchant Account Reports)	Old Acquiring Servlet only	Chargeback Detail Report	NA
Transfer Log (Legacy Merchant Account Reports)	Old Acquiring Servlet only	Deposit Detail Report	NA
Fee detail (Legacy Merchant Account Reports)	Old Acquiring Servlet only	Fee Detail Report	NA
Summary of Fees (Legacy Merchant Account Reports)	Old Acquiring Servlet only	Fee Summary report (coming soon)	NA